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L Number	Hits	Search Text	DB	Time stamp
1	5854	219/130.32 or 219/130.4 or 219/137r or 219/121.54	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:33
2	4	427/\$7.ccls. and plasma adj2 torch and electrode and nozzle and (wear with nozzle or wear with electrode or monitor adj2 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:38
3	42	monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:40
5	8933	change adj4 nozzle or change adj4 electrode	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:42
7	7	((computer or microprocessor or memory) and (monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear))) and ((monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear)) and (change adj4 nozzle or change adj4 electrode))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:42
9	0	(427/\$7.ccls. and plasma adj2 torch and electrode and nozzle and (wear with nozzle or wear with electrode or monitor adj2 wear)) and (((computer or microprocessor or memory) and (monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear))) and ((monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear)) and (change adj4 nozzle or change adj4 electrode)))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:42
8	1	(219/130.32 or 219/130.4 or 219/137r or 219/121.54) and (((computer or microprocessor or memory) and (monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear))) and ((monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear)) and (change adj4 nozzle or change adj4 electrode)))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:42
6	9	(monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear)) and (change adj4 nozzle or change adj4 electrode)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:44
4	24	(computer or microprocessor or memory) and (monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:59
10	0	monitor with (nozzle adj2 erosion and electrode adj2 erosion)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:03
12	12525	sensing adj2 current	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:03
13	9330	monitoring adj2 current	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:03

14	20824	(sensing adj2 current) or (monitoring adj2 current)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:03
15	0	((sensing adj2 current) or (monitoring adj2 current)) with (nozzle and erosion)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:04
16	4	(monitor\$ with (nozzle adj3 erosion or electrode adj3 erosion or electrode adj2 wear or nozzle adj2 wear)) and ((sensing adj2 current) or (monitoring adj2 current))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:07
17	4	sensing adj3 (electrode adj2 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:07
18	0	sensing adj3 (nozzle adj2 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:08
19	0	sensss\$ adj3 (nozzle adj2 electrode)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:08
22	0	sensing adj3 (nozzle adj2 erosion)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:09
23	1	monitoring adj3 (nozzle adj2 erosion)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:09
24	2	monitoring adj3 (nozzle adj2 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:09
25	2	monitoring adj3 (electrode adj2 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:09
26	5	(monitoring adj3 (nozzle adj2 erosion)) or (monitoring adj3 (nozzle adj2 wear)) or (monitoring adj3 (electrode adj2 wear))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 04:09
-	3207	(welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:15
-	1080982	electrode or nozzle	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:15
-	2074	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:15
-	658	consumption with consumable	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:16
-	1791	erosion adj5 electrode or erosion adj5 nozzle	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:16

-	1	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle) and (consumption with consumable)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:17
-	149005	memory and data and (calculat\$ or computing) and display	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:18
-	2077	consumption adj data	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:18
-	0	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle) and (erosion adj5 electrode or erosion adj5 nozzle) and (memory and data and (calculat\$ or computing) and display)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:19
-	0	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle) and (consumption adj data)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:19
-	52487	erosion or maintainance	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:19
-	57	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle) and (erosion adj5 electrode or erosion adj5 nozzle) and (erosion or maintainance)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:20
-	1	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle) and (erosion adj5 electrode or erosion adj5 nozzle) and display	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:21
-	2872	replace with (nozzle or electrode)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:21
-	5950	time adj4 replace	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:22
-	85	(time adj4 replace) and (replace with (nozzle or electrode))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:22
-	3	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle) and ((time adj4 replace) and (replace with (nozzle or electrode)))	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:24
-	497	monitor adj4 wear	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:25

-	1	((time adj4 replace) and (replace with (nozzle or electrode))) and (monitor adj4 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:26
-	1	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle)) and (monitor adj4 wear)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/22 13:26
-	57	((welding or cutting or brazing or annealing or heat adj treating or carburizing or etching or cleaning) and (arc adj2 torch or plasma adj2 torch)) and (electrode or nozzle)) and (erosion adj5 electrode or erosion adj5 nozzle)	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/23 03:32